## AMENDMENT TO THE CLAIMS

- 1. (Presently Amended) A load cell comprising:
  - a first sensor support assembly and a second sensor support assembly, each sensor support assembly comprising an assembly having:
    - a rigid central hub having an end plate and a support element extending transversely or obliquely from the end plate; and
    - a rigid annular ring concentric with the central hub;
  - a mount joined to the end plate of the first sensor support assembly, the mount being spaced apart from and extending in the same direction as the support element of the first sensor support assembly;
  - a first plurality of sensing devices operably coupled between the support element of the first sensor support assembly and the corresponding annular ring;
  - a second plurality of sensing devices operably coupled between the support element of the second sensor support assembly and the corresponding annular ring; and
  - wherein the end plates of the first and second sensor support assemblies are joined together.
- 2. (Original) The load cell of claim 1 wherein the central hub, annular ring and sensing devices of each sensor support assembly are integral.
- 3. (Original) The load cell of claim 2 wherein each sensing device comprises an integral radial tube with sensors operably coupled thereto.

- 4. (Original) The load cell of claim 3 wherein each sensor support assembly includes an integral flexure member extending between an end of each radial tube to at least one of the annular ring and central hub, the flexure member being compliant for displacements of each corresponding radial tube along the corresponding longitudinal axis.
- 5. (Original) The load cell of claim 2 wherein each sensor support assembly includes a flexure member for each sensing device, the flexure member being formed integral with at least one of the annular ring and central hub, the flexure member being compliant for displacements of each sensing device along the corresponding longitudinal axis.
- 6. (Original) The load cell of claim 1 wherein the end plates of the first and second sensor support assemblies are integral.
- 7. (Original) The load cell of claim 1 and further comprising:
  - a second mount joined to the end plate of the second sensor support assembly, the second mount being spaced apart from and extending in the same direction as the support element of the second sensor support assembly.
- 8. (Original) The load cell of claim 7 wherein each end plate, the first-mentioned mount and the second mount include a bore, the bores being aligned to form a common bore through the load cell.
- 9. (Original) The load cell of claim 8 and further comprising:
  - a first bearing mounted in the first mount;
  - a second bearing mounted in the second mount;

- a shaft supported by the first and second bearings extending through the common bore.
- 10. (Original) The load cell of claim 7 and further comprising:
  - a first passageway in the first mount fluidly coupled to a fluid source and adapted to receive a cooling fluid:
  - a second passageway in the second mount fluidly coupled to the fluid source and adapted to receive the cooling fluid.
  - 11. (Original) The load cell of claim 1 and further comprising an insulating element disposed between the first mount and the end plate of the first sensor support assembly.

Cancelled claims 12-28.

- 29. (Presently Amended) A load cell body comprising:
  - a first sensor support assembly and a second sensor support assembly, each sensor support assembly comprising an assembly having:
    - a rigid central hub having an end plate and a support element extending transversely or obliquely from the end plate; and
    - a rigid annular ring concentric with the central hub;
  - a mount joined to the end plate of the first sensor support assembly, the mount being spaced apart from and extending in the same direction as the support element of the first sensor support assembly;
  - a first plurality of sensing structures joined to the support element of the first sensor support

assembly and the corresponding annular ring;
a second plurality of sensing structures joined to the
support element of the second sensor support
assembly and the corresponding annular ring; and
wherein the end plates of the first and second sensor
support assemblies are joined together.

- 30. (Previously Presented) The load cell body of claim 29 wherein the central hub, annular ring and sensing structures of each sensor support assembly are integral.
- 31. (Previously Presented) The load cell body of claim 30 wherein each sensing structure comprises an integral radial tube with sensors operably coupled thereto.
- 32. (Previously Presented) The load cell body of claim 31 wherein each sensor support assembly includes an integral flexure member extending between an end of each radial tube to at least one of the annular ring and central hub, the flexure member being compliant for displacements of each corresponding radial tube along the corresponding longitudinal axis.
- 33. (Previously Presented) The load cell body of claim 30 wherein each sensor support assembly includes a flexure member for each sensing structure, the flexure member being formed integral with at least one of the annular ring and central hub, the flexure member being compliant for displacements of each sensing structure along the corresponding longitudinal axis.
- 34. (Previously Presented) The load cell body of claim 29 wherein the end plates of the first and second sensor support assemblies are integral.
- 35. (Previously Presented) The load cell body of claim 29 and further comprising:

- a second mount joined to the end plate of the second sensor support assembly, the second mount being spaced apart from and extending in the same direction as the support element of the second sensor support assembly.
- 36. (Previously Presented) The load cell body of claim 35 wherein each end plate, the first-mentioned mount and the second mount include a bore, the bores being aligned to form a common bore through the load cell.
- 37. (Previously Presented) The load cell body of claim 36 and further comprising:
  - a first bearing mounted in the first mount;
  - a second bearing mounted in the second mount;
  - a shaft supported by the first and second bearings extending through the common bore.
- 38. (Previously Presented) The load cell body of claim 35 and further comprising:
  - a first passageway in the first mount fluidly coupled to a fluid source and adapted to receive a cooling fluid:
  - a second passageway in the second mount fluidly coupled to the fluid source and adapted to receive the cooling fluid.
- 39. (Previously Presented) The load cell body of claim 29 and further comprising an insulating element disposed between the first mount and the end plate of the first sensor support assembly.